MediaEdge-STB3

Operation Guide

MediaEdge-STB3
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November 30, 2006
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Cautions

Please observe the following cautions when using this product. If you have any questions regarding the method of usage, the descriptions herein, or any other concerns, please contact the local Canopus office or distributor.

WARNING

The following conditions indicate the potential for serious bodily injury or loss of life.

Health precautions

In rare cases, flashing lights or stimulation from the bright light of a monitor display may trigger temporary epileptic seizures or loss of consciousness. It is believed that even individuals whom have never experienced such symptoms may be susceptible. If you or close relatives have experienced any of these symptoms, consult a doctor before using this product.

Do not use in environments requiring a high degree of reliability and safety

This product is not to be used in medical devices or life support systems. The characteristics of this product are not suited for use with such systems.

Protect against static electricity

An electrostatic discharge may damage components of this product. Do not directly touch any of the connectors or component surfaces.
Static electricity can be generated on clothing and on people. Before handling the product, discharge static electricity from your body by touching a grounded metal surface.

Do not disassemble

Do not remove the cover or modify the MediaEdge-STB3. Fire, electric shock or malfunction may result. For internal inspection or repair, please contact your system integrator or Canopus directly.

Do not operate at other than the specified voltage

Do not operate at other than the specified voltages of AC 100-240V. Operation at other than the rated voltage may result in fire or malfunction.

Do not operate with other than the specified power supply

Do not operate with other than the specified AC adapter, or with a car power supply. Such operation may result in fire or malfunction.

Handle the AC adapter cord carefully

Do not place heavy objects on top of the cord, or place it near hot objects. Doing so may damage the cord and result in fire, electrical shock, or malfunction. Altering the cord, or excessively bending or pulling the cord may result in fire or electrical shock. If the cord is damaged, please contact your local retail outlet or Canopus directly.

* Replacement of damaged parts, unless defective due to manufacturing, will be charged at actual cost plus handling fees.

Do not use the product in a dusty or humid environment

It may cause a short-circuit or a build-up of heat, resulting in fire or electric shock.

Do not let foreign matters enter the inside of the product

If water or any foreign matter enters the inside of the product, it may cause fire or electric shock. In the case where water or foreign matter is allowed to enter the product, turn the power OFF and pull out the power cable from the receptacle.

Do not use the product when you hear thunder

Do not touch the product body or its plug on such occasions. It may result in electric shock.

Stop using the product when it is smoking

Do not use the product in an abnormal condition like when it is smoking or emitting an odor.
It may result in fire or malfunction of the product. If any anomaly is found, turn OFF the power of the product, disconnect the power cable, making sure that the product is not smoking any more.

Do not use the product in a damaged condition

Do not drop the product nor use the product with its cover broken.
It may result in fire or malfunction of the product. In case the product is damaged, turn OFF the power of the product and pull out the power cable from the receptacle.

Do not touch AC adapter with wet hands

Do not disconnect or plug in the AC adapter when your hands are wet. Contact with water may result in electric shock, fire or damage.

Do not setup in an area that becomes hot

Do not setup in an area exposed to direct sunlight or near a heating apparatus. The heat can accumulate, causing burns, fire or damage. Also, the unit may become deformed or change color.

CAUTION

The following conditions indicate the potential for bodily harm, damage to hardware or loss of data.

Do not pull AC adapter cord when disconnecting from electrical outlet

When disconnecting the AC adapter cord, pull on the plug, not the cord itself. Pulling on the cord can damage the cord and may result in fire or electric shock.

Do not setup other than the Described method

Do not setup in a manner other than prescribed. Do not use while wrapped in cloth or plastic. Heat can accumulate, causing burns, fire or damage.

If product will not be used for an extended period

If this product will not to be used for an extended period of time, disconnect the AC adapter from the electrical outlet.

Do not place the product on an unstable place

Do not place the product on an unstable table or slanted surface. The product may fall from it, resulting in injuries or malfunction of the product.

Turn OFF the power when cleaning the product

When making connections with the product or cleaning the product, be sure to disconnect the power plug beforehand. Failure to do so may result in electric shock or malfunction of the product. When cleaning the product, do not use volatile solvents such as thinner.

Route the cables properly

Route the power cable and AV cables properly. If they catch on something, it may result in injuries or malfunction of the product.

Precautions for use of AC adapter

The supplied AC adapter and power cord are for exclusive use of this product. Do not operate the product with other AC adapter or in other combinations.

Lower The Volume Of The Audio Equipment

Please lower your audio equipment speaker level that is connected with the MediaEdge-STB3 when you turn the power of the MediaEdge-STB3 ON/OFF. You may hear a loud noise when you turn the power ON/OFF.

Do not cover the MediaEdge-STB3 ventilation

Do not use the MediaEdge-STB3 covered with a cloth or in an ill-ventilated room.
Covering the vent may cause heat inside of the product resulting in fire or product malfunction.

FCC Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CE Notice

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Declaration of Conformity

According to FCC Part 15

Responsible Party Name:	Canopus Corporation
Address:	711 Charcot Avenue, San Jose, CA 95131
Telephone:	408-954-4500

Declares that product Model: ME-STB3(A)
Complies with Part 15 of the FCC Rules.

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About the Documentation

This document is the MediaEdge-STB3 Operation Guide.
Information not listed in this document may be listed elsewhere.
In cases where there is a difference between a description in this document and an actual operation method, the actual operation method takes precedence.
This document is written for users capable of performing basic PC operations. If there is no special description of an operation, perform that operation in the same manner as a general PC operation.
To simplify the descriptions, the actual product may differ from the illustrations and screenshots.

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MediaEdge

Chapter 1 - Using MediaEdge-STB3

1

1 Introduction

1-1 Notes regarding usage

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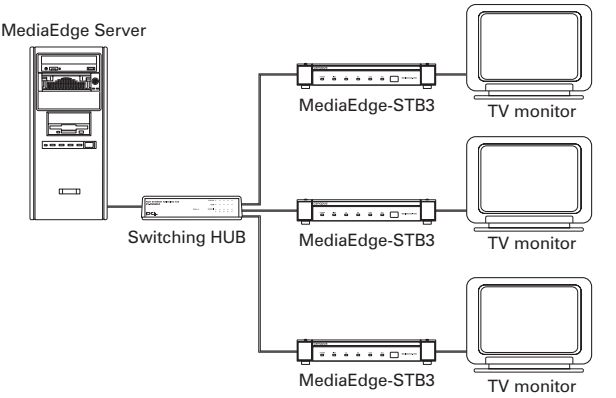
2 MediaEdge-STB3

2-1 Overview

MediaEdge is an IP-based video distribution/playing system that consists of a server that stores and distributes MPEG video and terminals, which receive/play video streams. MediaEdge-STB3 is a set-top box that converts the distributed MPEG stream into video signal so as to display on TV monitors.



2-2 Users and Administrators

- Users
  Users are those who operate MediaEdge-STB3 to view video content.
- Administrators
  Administrators are those who set the operating mode and operating parameters for MediaEdge-STB3.

Info:
This manual is written for STB3 users. Note that some features explained in this manual may have been limited or set as invalid by the administrator.

2-3 MediaEdge-STB3 Operating Modes

MediaEdge-STB3 has two operating modes to choose.

Menu mode

In this mode, users select and play content they want from a menu screen. The menu screen reappears after content finishes playing.

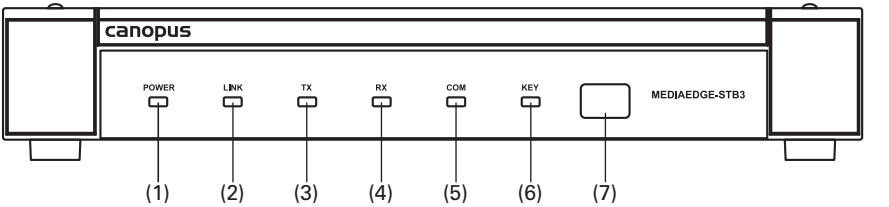
Channel mode

Instead of using menu screen, this mode allows the selection of content using numeric buttons on the remote controller, much like changing channels on a TV. Channel numbers 1 through 99 are available. When no content (channel) is selected or when the selected content finishes playing, video defined as Default Content will automatically start playing.

Info:
The operating mode must be set by an administrator in advance. It cannot be switched while users are operating MediaEdge-STB3.

3 MediaEdge-STB3 Parts Names

3-1 Front Panel



(1) POWER LED
Lights while MediaEdge-STB3 operates.
Unlit: Power is not on.
Lit orange: Stand-by.
Flashing orange: Wake On LAN Stand-by.
Lit green: Operating.
Flashing green: Starting up/shutting down.

(2) LINK LED
Lights when MediaEdge-STB3 is connected to a network (via a hub or other such device).

(3) TX LED
Lights when MediaEdge-STB3 is sending data to the network.

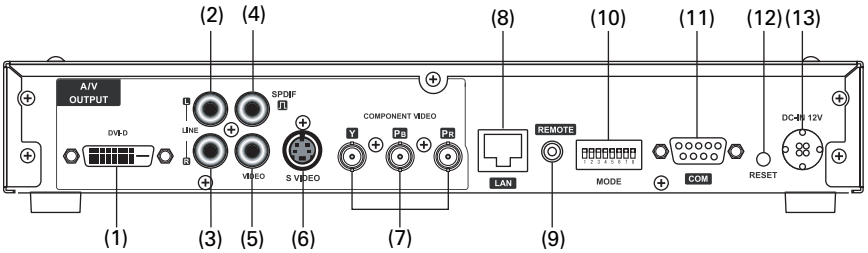
(4) RX LED
Lights when MediaEdge-STB3 is receiving data from the network.

(5) COM LED
Lights when MediaEdge-STB3 is sending/receiving data via COM port.

(6) KEY LED
Lights when receiving a key signal from an infrared remote controller or an external remote terminal.

(7) Infrared receiver
Built in infrared receiver for remote controllers.

3-2 Rear Panel



(1) DVI-D
DVI-D signal output.

(2) AUDIO OUT-LEFT
Audio output (left).

(3) AUDIO OUT-RIGHT
Audio output (right).

(4) S/PDIF
Coaxial digital audio output.

(5) VIDEO OUT
Composite video signal output.

(6) S VIDEO OUT
S-video signal output.

(7) COMPONENT VIDEO OUT
Component video (Y/Pb/Pr) output.

(8) LAN
Port for connecting to Ethernet.

(9) REMOTE
Remote terminal.

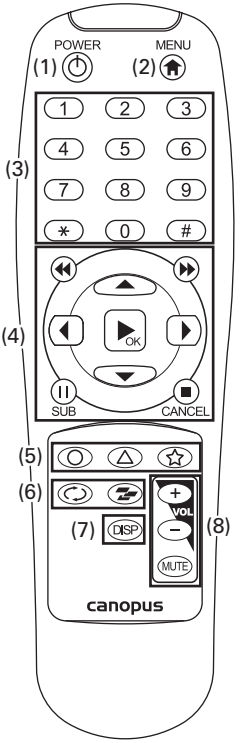
(10) DIP switches
Used to enable WOL (Wake On LAN), or change the video output format (Refer to Chapter 3 in MediaEdge-STB3 Setup Guide for details).

(11) COM
RS-232C (for pass-through) terminal.

(12) RESET
Used in emergencies. Do not use to reset.

(13) Power terminal
Connects to the accompanying AC adapter. Never connect anything here other than the accompanying AC adapter.

3-3 Remote Controller



(1) POWER button
Turns power on/off.

(2) MENU button
Displays the "home menu" screen.

(3) Numeric buttons
Use to access content and enter numbers.

(4) Navigation buttons
Use to play content and select menus.

(5) Function button
Displays the system information. Only the △ button is used.

(6) Play mode button
Not used.

(7) Display button
Use to show/hide the OSD during playback.

(8) Volume button
Use to adjust volume.

Info:
The functions available for a remote controller differ in accordance with administrator settings.

MediaEdge

4 Startup and shutdown

4-1 Startup

Here is how to start up MediaEdge-STB3.

■ In menu mode

1 Several seconds after the power to the MediaEdge-STB3 is turned on, the menu screen appears.

* Menu screens differ in accordance with administrator settings.

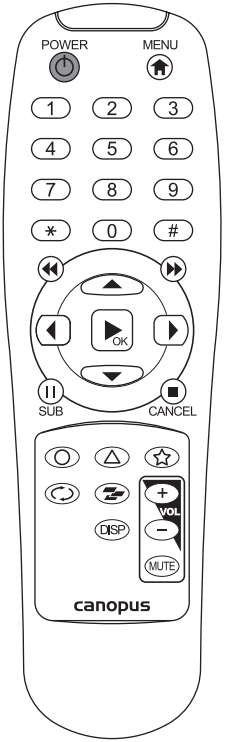
■ In channel mode

1 Several seconds after the power to the MediaEdge-STB3 is turned on, the “default content” starts playing.

* Default content differs in accordance with administrator settings.

4-2 Shutdown

Here is how to close down MediaEdge-STB3. Operations are the same in either menu mode or channel mode.



1 Press the ⏻ button on the remote controller while POWER LED is lit green.

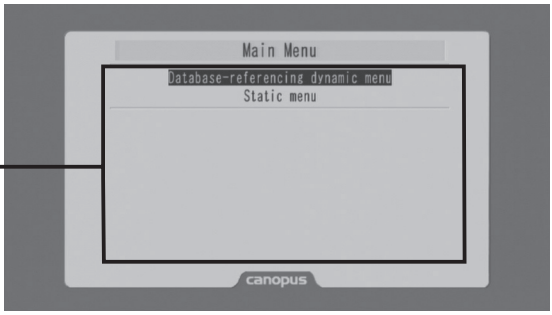
The STB3 POWER LED will be orange, and the MediaEdge-STB3 will shut down.

Note:
If the POWER LED is flashing, the MediaEdge-STB3 is shutting down. When the MediaEdge-STB3 is shutting down, do not remove the AC adaptor from the unit. During shutting down, do not remove the AC adapter from the outlet.

Note:
When the MediaEdge-STB3 POWER LED is flashing just after the unit starts up, the ⏻ button will not work even if it is pressed.

5 Menu mode

5-1 Menu screen



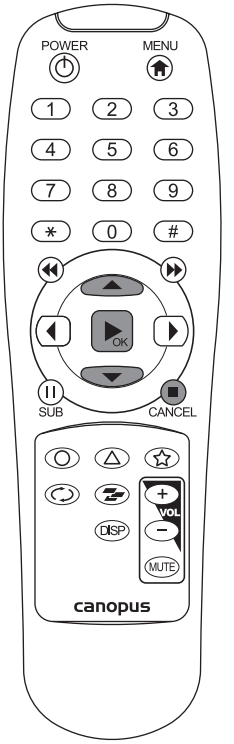
(1) Title/data area

Displays titles and menus.

- Press ▲ ▼ on the remote controller to select items.
- Press ▶ on the remote controller to confirm the selection.
- Press ⌂ on the remote controller to display the home menu.
- Press ⏭ on the remote controller to display the next (history) page.
- Press ⏮ on the remote controller to display the previous (history) page.
- Press ■ on the remote controller to reload the current page.

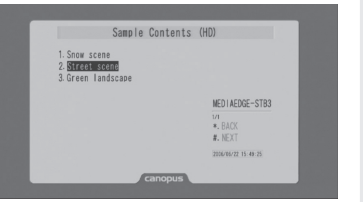
* The menu items available to operate differ in accordance with administrator settings.

5-2 Playing back contents



1 Check to make sure the menu screen is being displayed, select the content you want to play, and then press the ▶ button the remote controller.

Here, we select [Street scene] from [Sample Contents (HD)].



2 Selected content plays.

Info:
You can pause the playing content by pressing ⏸ button on the remote controller.

3 Press ■ button on the remote controller to stop playing content.

Content will stop playing.

Info:
Home menu will be displayed by pressing 🏠 button on the remote controller.

6 Channel mode

The channel mode is a mode that does not use menus, so menus are not displayed. Playback content is selected using numeric buttons on the remote controller. Along with default content, 100 units of content can be handled.

* The menu items available to operate differ in accordance with administrator settings.

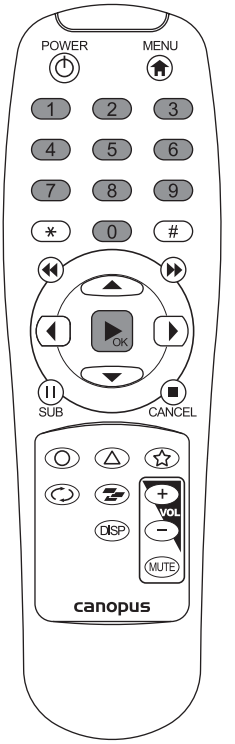
6-1 Default content

The content displayed at the start of the channel mode is called default content. A moving picture, still picture, or black screen is displayed. Also, the default content can be played by the following conditions.

- When a content stops playing.
- Pressing ⌂ on the remote controller.
- Pressing ■ on the remote controller.

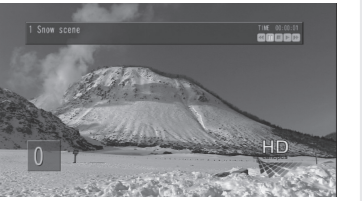
* The items displayed differ in accordance with administrator settings.

6-2 Playing content - Specifying numbers -



1 Press a numeric button on the remote controller.

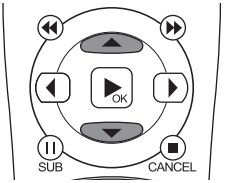
That switches content.



Info:
Enter two-digit numbers to specify the number of the content to play.
- To specify [01], enter [0][1]
- To specify [11], enter [1][1]

You can enter the content number, by entering a 1-digit number and then pressing ▶ button, if it's 1-digit. Also, after a few seconds have passed since you enter a 1-digit number, the content of that number will automatically start playing.

6-3 Playing content in numerical sequence



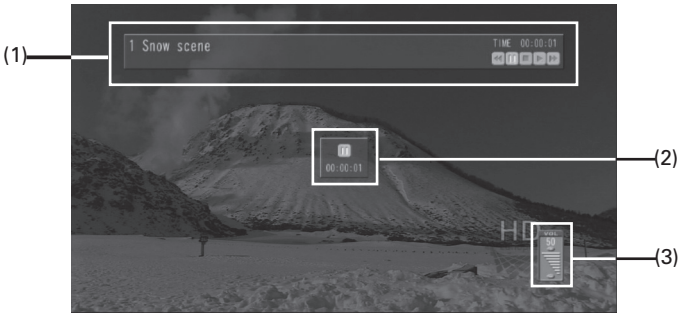
1 While content is playing, press the ▲ or ▼ button on the remote controller.

The content for any valid number will play.

7 Playback screen

7-1 OSD menu

Dialogs and other items that are overlay-displayed while content is playing back are called OSD (on-screen displays).



(1) Play info
Displays the information and state of content now being played.

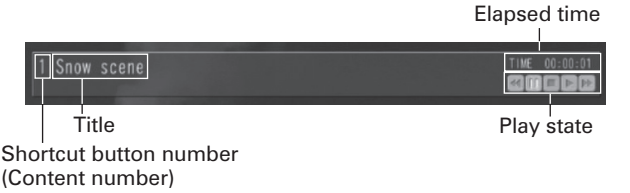
(2) Dialog
Displays such items as pause dialogs and jump dialogs.

(3) Volume indicator
Displays the audio output level (0 to 50).

■ Play info

Play information is displayed while content is being played. The display includes shortcut numbers, title, amount of time elapsed, and play state.

* The items displayed differ in accordance with administrator settings.



Info:
Play information is displayed for a few seconds when content starts playing, is paused, or is skipped, and then the display goes off automatically. Press the DISP button on the remote controller to show/hide the play info.

* The play information may not be displayed in accordance with administrator settings.

■ Pause dialog

The dialog will be displayed for a few seconds in pause state. Clearing pause state stops the display of pause dialog.

* The items displayed differ in accordance with administrator settings.

(1) Indicates that the playback is now paused. Press the ⏸ or the ▶ button to clear the pause state.

■ Jump dialog

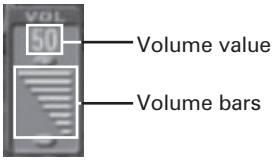
Pressing the ⏪ or ⏩ button on the remote controller while content is being played will rewind or fast forward (forward or backward jump) the files and display the dialog shown below. When the jump is finished, the Jump dialog will disappear.

* The items displayed differ in accordance with administrator settings.

Also, by holding the ⏪/⏩ button, the unit of the jump will change in [15sec] -> [30sec] -> [1min] -> [2min] -> [4min] -> [8min] -> [15min] -> [30min] -> [60min] -> [120min].

■ Volume indicator

The volume indicator shows the STB3's audio output level. Press the ⊕ or ⊖ button on the remote controller to adjust the volume. If there is no adjustment of audio within a certain period, the indicator will automatically disappear.



Info:
Press the MUTE button on the remote controller to mute. Press the MUTE button again to clear the mute state.

Info:
There are other dialogs such as the one displayed when more than 2 seconds have passed since the MediaEdge-STB3 started accessing the stream server: one displayed when you cancel the accessing operations, and one displayed when an error occurs.

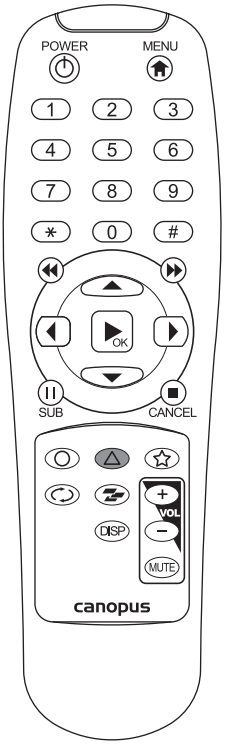
Note:
Shutting down the MediaEdge-STB3 by pressing the ⏻ button on the remote controller will record the volume setting to remain after the MediaEdge-STB3 has been shut down. The MediaEdge-STB3 will start at the same volume when it starts up. If any method other than pressing the button, such as removing AC adaptor, is used to shut down the unit, the volume settings will not be saved.

8 System information

8-1 System information

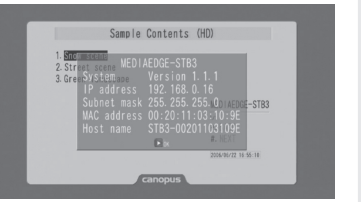
Displays the system information of the MediaEdge-STB3.

* The menu items available to operate differ in accordance with administrator settings.



1 Press the △ button on the remote controller.

* The system information can be displayed when content is being played.



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